Fig.1

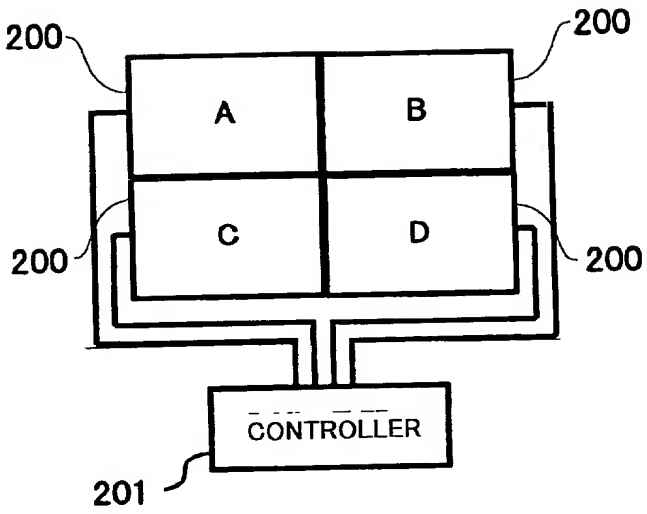

200
200
A
B
C
D
200
200
CONTROLLER
201

Fig.2

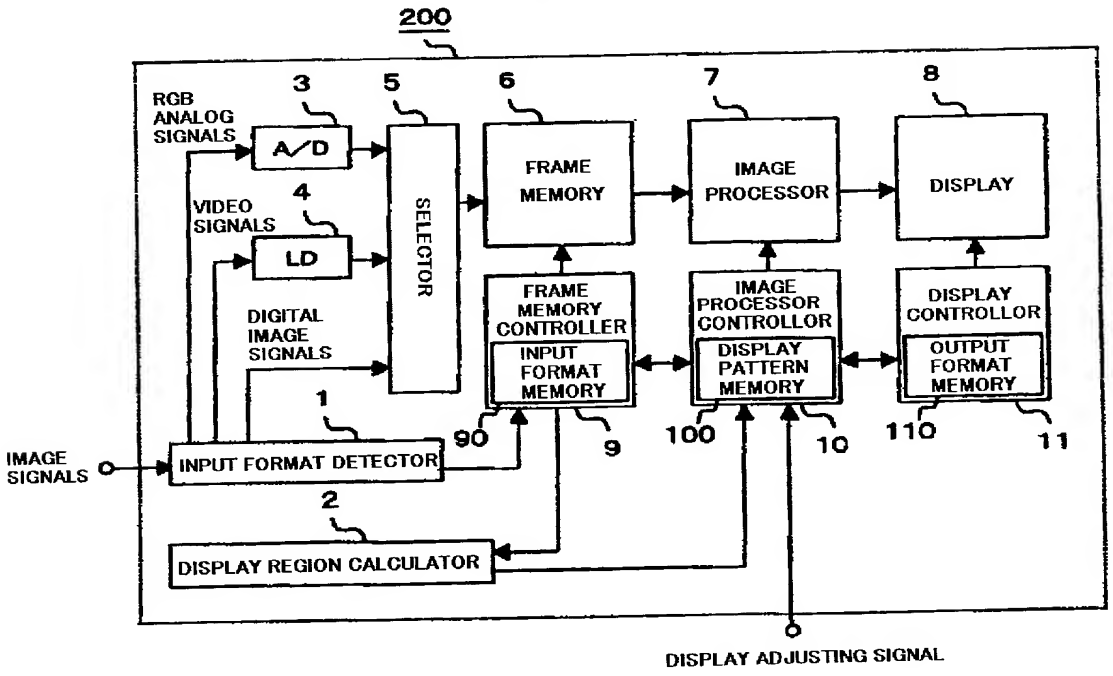

200
RGB ANALOG SIGNALS
3
A/D
5
SELECTOR
6
FRAME MEMORY
7
IMAGE PROCESSOR
8
DISPLAY
VIDEO SIGNALS
4
LD
DIGITAL IMAGE SIGNALS
FRAME MEMORY CONTROLLER
INPUT FORMAT MEMORY
IMAGE PROCESSOR CONTROLLOR
DISPLAY PATTERN MEMORY
DISPLAY CONTROLLOR
OUTPUT FORMAT MEMORY
1
90
9
100
10
110
11
IMAGE SIGNALS
INPUT FORMAT DETECTOR
2
DISPLAY REGION CALCULATOR
DISPLAY ADJUSTING SIGNAL

Fig.3

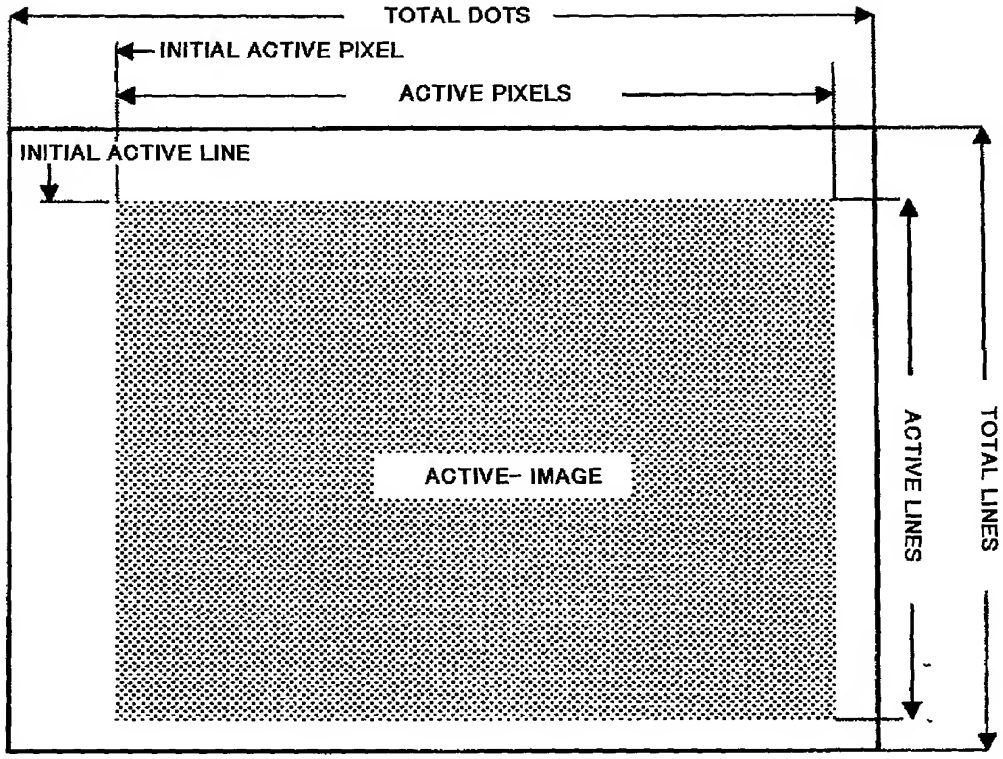


Fig.4

INPUT FORMAT PARAMETERS	INPUT MEMORY NUMBER		
	INPUT MEMORY 1	INPUT MEMORY 2	INPUT MEMORY 3
TOTAL DOTS	1344 dots	1056 dots	858 dots
TOTAL LINES	806 lines	816 lines	418 lines
ACTIVE PIXELS	1024 dots	800 dots	720 dots
ACTIVE LINES	768 lines	600 lines	480 lines
INITIAL ACTIVE PIXEL	236 dots	216 dots	120 dots
INITIAL ACTIVE LINE	35 lines	27 lines	40 lines

Fig.5

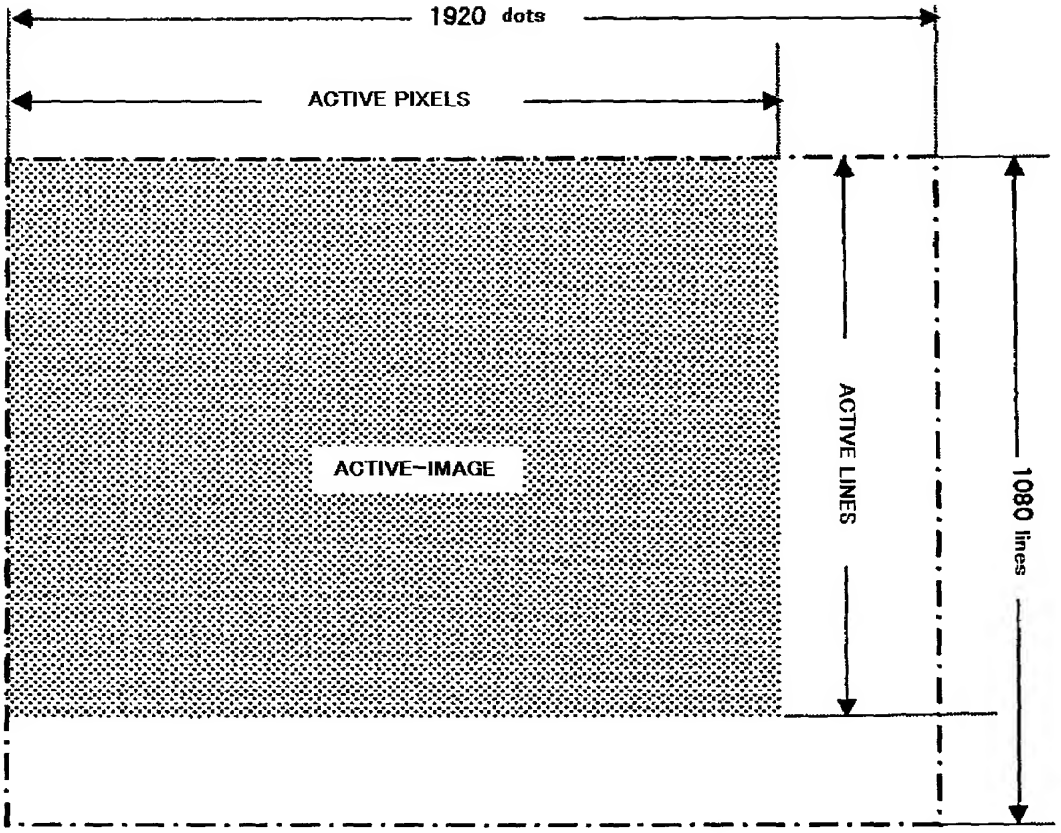

1920 dots
ACTIVE PIXELS
ACTIVE-IMAGE
ACTIVE LINES
1080 lines

Fig.6

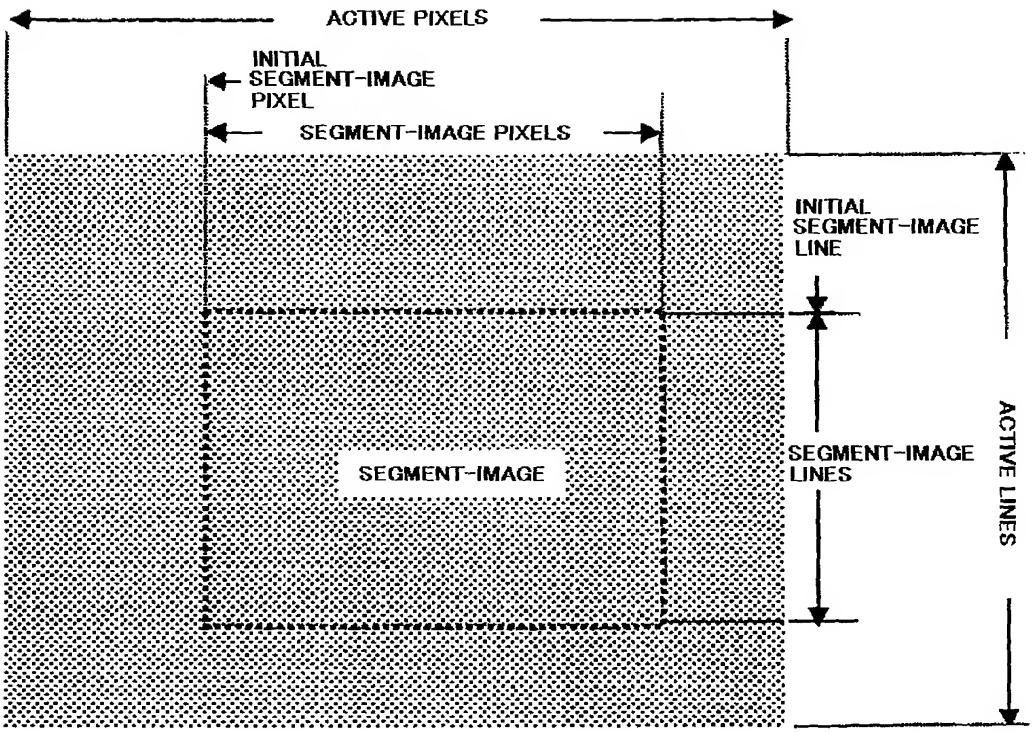


Fig.7

DISPLAY PARAMETERS	DISPLAY MEMORY NUMBER			
	DISPLAY MEMORY1	DISPLAY MEMORY 2	DISPLAY MEMORY 3	DISPLAY MEMORY4
INITIAL SEGMENT-IMAGE PIXEL	0 dot	512 dots	0 dot	400 dots
SEGMENT-IMAGE PIXELS	1024 dots	512 dots	800 dots	400 dots
INITIAL SEGMENT-IMAGE LINE	0 line	384 lines	0 line	300 lines
SEGMENT-IMAGE LINES	768 lines	384 lines	600 lines	300 lines
HORIZONTAL OFFSET	0 dot	0 dot	0 dot	0 dot
HORIZONTAL DISPLAY-IMAGE SIZE	1028 dots	1028 dots	1024 dots	1024 dots
VERTICAL OFFSET	0 line	0 line	0 line	0 line
VERTICAL DISPLAY-IMAGE SIZE	772 lines	772 lines	788 lines	768 lines
INPUT MEMORY NUMBER	1	1	2	2

Fig. 8A

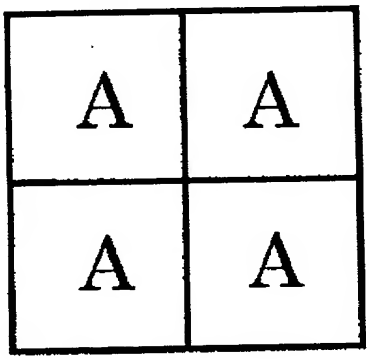


Fig. 8B

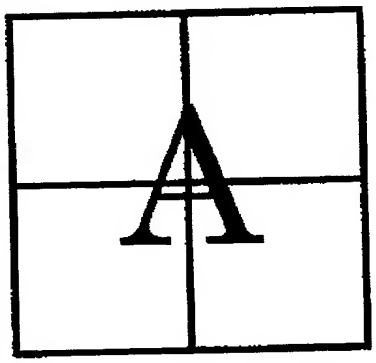


Fig.9

OUTPUT FORMAT PARMETERS	OUTPUT FORMAT
DOT CLOCK	65MHz
HORIZONTAL SYNCHRONOUS LINES	6 lines
VERTICAL SYNCHRONOUS PIXELS	136 dots
TOTAL DOTS	1344 dots
TOTAL LINES	806 lines
OUTPUT PIXELS	1024 dots
OUTPUT LINES	768 lines
INITIAL OUTPUT PIXEL	236 dots
INITIAL OUTPUT LINE	35 lines

Fig.10

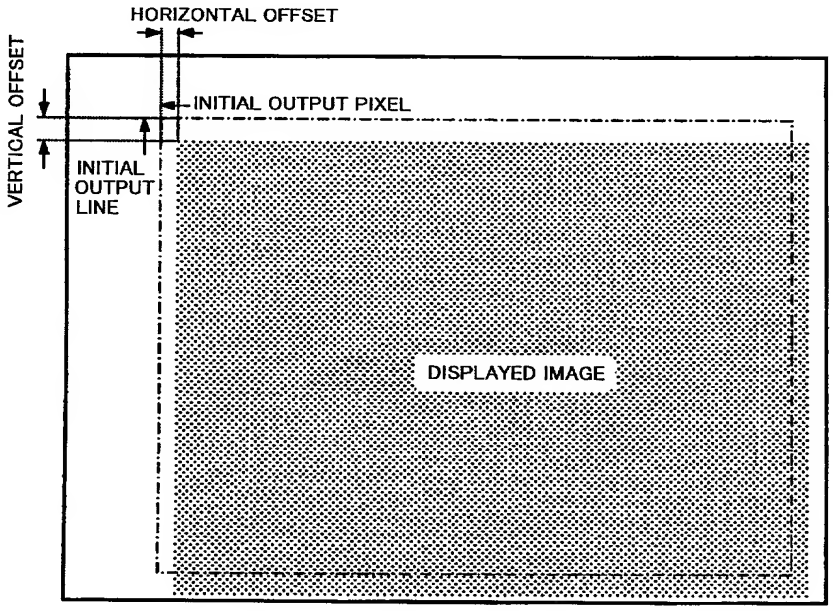
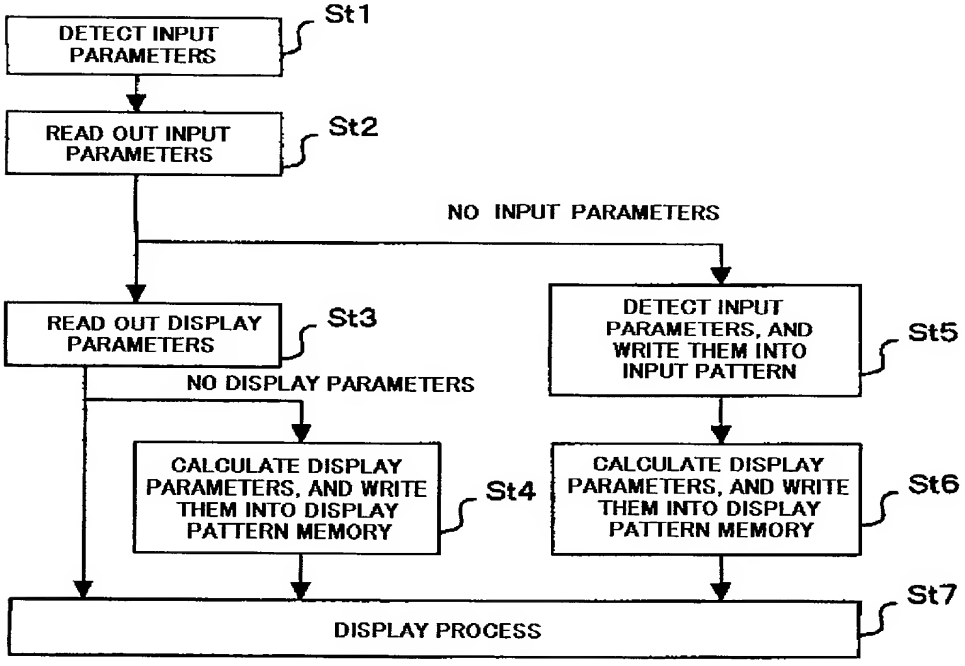

HORIZONTAL OFFSET
VERTICAL OFFSET
INITIAL OUTPUT PIXEL
INITIAL OUTPUT LINE
DISPLAYED IMAGE

Fig.11


DETECT INPUT PARAMETERS
St1
READ OUT INPUT PARAMETERS
St2
NO INPUT PARAMETERS
READ OUT DISPLAY PARAMETERS
St3
NO DISPLAY PARAMETERS
DETECT INPUT PARAMETERS, AND WRITE THEM INTO INPUT PATTERN
St5
CALCULATE DISPLAY PARAMETERS, AND WRITE THEM INTO DISPLAY PATTERN MEMORY
St4
CALCULATE DISPLAY PARAMETERS, AND WRITE THEM INTO DISPLAY PATTERN MEMORY
St6
DISPLAY PROCESS
St7